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Re

- 29 D Comparison of Respiratory Functions in Fischer 344 and Wistar Rats
U. Heinrich and A. Wilhelm, Fraunhofer-Institut für Toxikologie und Aerosol-
forschung, Hannover, FRG.
- 34 D Electron Microscopic Studies on Rat Lungs after Prolonged Exposure to
Diesel Engine Exhaust
A. Kato, S. Ishiwata (HERP), Japan Automobile Research Institute, Inc.,
Ibaraki, Japan.
- 35 D Nasal Tumours in Rats after Severe Injury to the Nasal Mucosa and Exposure
to Formaldehyde Vapour
V.J. Feron, H.R. Immel, L.M. Appelman, R.A. Woutersen and A. Zwart,
TNO-CIVO Toxicology and Nutrition Institute, Zeist, The Netherlands.
- 40 D Use of Bronchoalveolar Lavage to Assess the Toxicity of Airborne Materials
R.F. Henderson and R.O. McClellan, Lovelace Inhalation Toxicology
Research Institute, Albuquerque, NM 87185, USA.
- 41 D The Larynx as a Potential Target Organ in Aerosol Inhalation Studies on Rats
D.R. Klonne, R.H. Garman, W.M. Snellings, D.E. Dodd and B. Ballantyne,
Bushy Run Research Center, Export, PA, USA.
- 43 D Subchronic Inhalation Studies of Pigmented Polymer in Rats
H. Muhle*, U. Mohr*, S. Takenaka*, W. Koch*, R. Fuhst*, R. Kilpper** and
R. Memelstein**
* Fraunhofer-Institut für Toxikologie und Aerosolforschung, Hannover, FRG
** Joseph C. Wilson Center for Technology, Xerox Corporation, Rochester,
NY, USA.
- 44 D Long-term Inhalation Study with Hamsters and Mice Using Various Cadmium
Compounds
U. Heinrich, R. Fuhst, H. König, L. Peters and S. Takenaka, Fraunhofer-Insti-
tut für Toxikologie und Aerosolforschung, Hannover, FRG.

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- 45 D Endogenous Lipid Pneumonia Induced by Methylnaphthalene, a Combustion Gas of Kerosine, in C₆B₃F₁ Mice
Y. Konishi*, Y. Enji*, T. Taki**, Y. Murata* and Y. Yokose*
* Department of Oncological Pathology, Cancer Center, Nara Medical College
and ** Department of Biochemistry, Shizuoka College of Pharmacy, Japan.
- 48 D Modification of Lung Tumor Growth by Hyperoxia
R.C. Lindenschmidt* and H.P. Witschi, Biology Division, Oak Ridge National Laboratory, Oak Ridge, TN, USA
* Present address: The Procter & Gamble Company, Miami Valley Laboratories, Cincinnati, OH, USA.
- 49 D Effect of a "Nuisance" Dust Inhalation on Immunologic Functions of Rat Alveolar Macrophages
M.-L. Lohmann-Matthes and H. Muhle, Fraunhofer-Institut für Toxikologie und Aerosolforschung, Hannover, FRG.
- 52 D Carcinogenicity of Diesel Exhaust Inhaled Chronically by Rats
J.L. Mauderly, R.K. Jones, W.C. Griffith, R.F. Henderson and R.O. McClellan, Lovelace Inhalation Toxicology Research Institute, Albuquerque, NM 87185, USA.
- 53 D Relative Effects of Inhaled Nitrogen Dioxide and Diesel Exhaust in Adult Rats with Developing Lungs
J.L. Mauderly, D.E. Bice, N.A. Gillett, R.F. Henderson, J.A. Pickrell and R.K. Wolff, Lovelace Inhalation Toxicology Research Institute, Albuquerque, NM 87185, USA.
- 56 D Early Distribution of an Inhaled Radioaerosol in Rats
A.N. Payne, I.W. Lees, M.J.S. Gazeley, P.M. Webbon and G.E. Woolley, Department of Mediator Pharmacology, Wellcome Research Laboratories, Beckenham, Kent, UK, Central Analytical Laboratories (Biological), The Wellcome Foundation Limited, Dartford, Kent, UK, and Departments of Medicine and Surgery, The Royal Veterinary College Field Site, Hatfield, Hertfordshire, UK.
- 57 D Chronic Effects Following Long-term Exposure to Gasoline Engine Exhaust in Rodents
U. Heinrich, L. Peters and B. Bellmann, Fraunhofer-Institut für Toxikologie und Aerosolforschung, Hannover, FRG.

- 61 D The Role of Complement in the Early Pathogenesis of Asbestosis
D.B. Warheit, L.H. Overby and A.R. Brody, Du Pont-Haskell Laboratory,
Newark, DE, USA, and NIEHS, NC, USA.
- 62 D Cell-to-cell and Cell-to-fiber Interactions in Asbestos-induced Lung Disease
K.E. Pinkerton and R.R. Mercer, University of California, Davis, CA, USA,
and Duke University, Durham, NC, USA.
- 65 D Degenerative, Inflammatory, and Proliferative Lesions of the Nasal Mucosa
of Rats and Mice Exposed by Chronic Inhalation to Selected Organic
Chemicals with Potential for Human Occupational Exposure
R.A. Renne, R.A. Miller, W.E. Giddens, Battelle Northwest Laboratories,
Richland, WA, USA and G.A. Boorman and R.R. Maronpot, National Insti-
tute of Environmental Health Sciences, Research Triangle Park, NC, USA.
- 66 D Long-term Inhalation Studies on Effect of Exhaust from Heavy and Light
Duty Diesel Engines on F-344 Rats
Y. Takaki, S. Kitamura, N. Kuwabara and Y. Fukuda, Juntendo University
School of Medicine, Tokyo, Japan.
- 69 D Hyaluronic Acid in Bronchoalveolar Lavage: a Marker of Fibrotic
Development in Quartz-exposed Rats?
G. Tornling, A. Eklund, G. Unge and R. Hernbrand, Department of Thoracic
Medicine and Department of Clinical Chemistry, Karolinska Hospital, Stock-
holm, Sweden.
- 71 D Age-dependent Changes and Non-neoplastic Surface Protrusions in the
Laryngeal and Tracheal Epithelium of the Syrian Golden Hamster
(*Mesocricetus auratus*)
C. Brockmeyer and C. Heinrich, Fraunhofer-Institut für Toxikologie und
Aerosolforschung, Hannover, FRG.

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Poster Session E

6 E

Exposure to MMMF in the Indoor Non-occupational Environment
G.R. Lundqvist, Institute of Hygiene, Aarhus, Denmark.

24 E

Theoretical Development of Mechanism of Chemical Carcinogenesis
Di-Region Theory

Q. Dai, Center for Chemistry and Bioengineering of Cancer, Beijing Poly-
technic University, Beijing, People's Republic of China.

30 E

Influence of Xenobiotics on the Toxicokinetics of Toluene in Man
M. Wallén, National Board of Occupational Safety and Health, Solna,
Sweden.